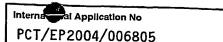
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N9/50 C07k C07K14/81 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C07K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, EMBL, WPI Data, Sequence Search C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category 9 Relevant to claim No. Α DATABASE EMBL 'Online! 29 April 1994 (1994-04-29), 1-4, 17 - 23NONG, V. ET AL.: XP002269560 retrieved from EBI accession no. EMBL Database accession no. Z32795 abstract A DATABASE UNIPROT 'Online! 1-4, 1 March 2002 (2002-03-01). 17-23 YAMADA, K. ET AL.: XP002269561 retrieved from EBI accession no. UNIPRT Database accession no. Q8VYSO abstract Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *O* document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed *&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 15 December 2004 2 3. 03. 05 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Page, M



	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	MARRACCINI PIERRE ET AL: "Molecular cloning of the complete 11S seed storage protein gene of Coffea arabica and promoter analysis in transgenic tobacco plants" PLANT PHYSIOLOGY AND BIOCHEMISTRY, GAUTHIER-VILLARS, PARIS, FR, vol. 37, no. 4, April 1999 (1999-04), pages 273-282, XP002197483 ISSN: 0981-9428 cited in the application	
A	LEROY T ET AL: "GENETICALLY MODIFIED COFFEE PLANTS EXPRESSING THE BACILLUS THURINGIENSIS CRY1AC GENE FOR RESISTANCE TO LEAF MINER" PLANT CELL REPORTS, SPRINGER VERLAG, DE, vol. 19, no. 4, 2000, pages 382-389, XP001002322 ISSN: 0721-7714 cited in the application	
A	WO 02/04617 A (KOCHHAR SUNIL ; NESTLE SA (CH); BUCHELI PETER (FR); LALOI MARYSE (F) 17 January 2002 (2002-01-17) cited in the application the whole document	1-4, 17-23
A	WO 02/42327 A (KOCHHAR SUNIL ; NESTLE SA (CH); HANSEN CARL ERIK (CH); JUILLERAT MA) 30 May 2002 (2002-05-30) the whole document	1-4, 17-23
X	DATABASE UniProt 'Online! 1 June 2001 (2001-06-01), "Cysteine proteinase inhibitor." XP002310747 retrieved from EBI accession no. UNIPROT:Q9ARHO Database accession no. Q9ARHO	5,17-22
A	the whole document	6-8
X	LING J-Q ET AL: "Cloning of two cysteine proteinase genes, CysP1 and CysP2, from soybean cotyledons by cDNA representational difference analysis" BIOCHIMICA ET BIOPHYSICA ACTA. GENE STRUCTURE AND EXPRESSION, ELSEVIER, AMSTERDAM, NL, vol. 1627, no. 2-3, 19 June 2003 (2003-06-19), pages 129-139, XP004431612 ISSN: 0167-4781	13,17-22
A	-/	14-16



C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/EP2004/006805					
Category °	alegory of Citation of document, with indication, where appropriets of the						
	note appropriate, or the relevant passages	Relevant to claim No.					
	-& DATABASE UniProt 'Online! 1 October 2003 (2003-10-01), "Cysteine proteinase" XP002310748 retrieved from EBI accession no. UNIPROT:Q7X750 Database accession no. Q7X750 the whole document						
A	DATABASE USPTO Proteins 'Online! 14 February 2001 (2001-02-14), "Sequence 74 from patent US 6103514." XP002310749 retrieved from EBI accession no. USPOP:AAE48221 Database accession no. AAE48221 the whole document & US 6 103 514 A (NATORI SHUNJI) 15 August 2000 (2000-08-15)	13–16					
Α	DATABASE Geneseq 'Online! 17 October 2000 (2000-10-17), "Arabidopsis thaliana protein fragment SEQ ID NO: 36701." XP002310750 retrieved from EBI accession no. GSN:AAG30665 Database accession no. AAG30665 the whole document & EP 1 033 405 A (CERES INC) 6 September 2000 (2000-09-06)	1-4					

International application No. PCT/EP2004/006805

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:			
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
BOX III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This inte	ernational Searching Authority found multiple inventions in this international application, as follows:			
	see additional sheet			
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.			
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.			
3. X	As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:			
	1-8,13-16 (completely), 17-23 (all partially)			
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Remark	on Protest The additional search fees were accompanied by the applicant's protest. X No protest accompanied the payment of additional search fees.			

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4 (completely), 17-23 (partially)

Polynucleotide encoding SEQ ID NO. 2 or polypeptides at least 70% identical thereto, vectors, transformed cells and a method for modulating coffee flavour.

2. claims: 5-8 (completely), 17-23 (all partially)

Polynucleotide encoding SEQ ID NO. 4, 10, 12 or 14 or polypeptides at least 70% identical thereto, vectors, transformed cells and a method for modulating coffee flavour.

3. claims: 9-12 (completely), 17-23 (all partially)

Polynucleotide encoding SEQ ID NO. 6 or 8 or polypeptides at least 70% identical thereto, vectors, transformed cells and a method for modulating coffee flavour.

4. claims: 13-16 (completely), 17-23 (all partially)

Polynucleotide encoding SEQ ID NO. 16 or polypeptides at least 70% identical thereto, vectors, transformed cells and a method for modulating coffee flavour.

Information on patent family members

	Internation Application No
i	PCT/EP2004/006805

W0 0244 EP 13036 US 2003148 W0 0242327 A 30-05-2002 AU 17049 CZ 200313 W0 02423 EP 13399 US 20040103 US 6103514 A 15-08-2000 JP 31189 JP 111465 CA 22386	, , , , , , , , , , , , , , , , , , , ,		
W0 02044 EP 13036 US 2003148 W0 0242327 A 30-05-2002 AU 17049 CZ 200311 W0 02423 EP 13398 US 20040103 US 6103514 A 15-08-2000 JP 31189 JP 111465 CA 22386		Publication date	
US 6103514 A 15-08-2000 JP 3118! JP 11146: CA 22386	802 A 517 A2 521 A2 517 A1	21-01-2002 17-01-2002 23-04-2003 07-08-2003	
JP 111467 CA 22386	002 A 745 A3 827 A2 850 A2 .23 A1	03-06-2002 14-01-2004 30-05-2002 03-09-2003 15-01-2004	
	61 B2 /89 A 57 A1 99 B1	18-12-2000 02-06-1999 18-05-1999 10-04-2001	
	92 A1 05 A2	25-08-2000 06-09-2000	

Form PCT/ISA/210 (patent family annex) (January 2004)